WHAT IS CLAIMED IS:

- 1. An antenna comprising:
- a radiating portion comprising a radiating element, a mounting portion and a printed circuit board (PCB), said radiating element and said mounting portion being on a top surface of said PCB;
- a ground portion comprising a metal plate and a coupling portion on a bottom surface of said metal plate, said coupling portion physically and electrically connecting with said mounting portion;
- a feed cable comprising an inner conductor and an outer conductor respectively connected with said radiating element and said ground portion;
- wherein a portion of said metal plate is overlapped on said printed circuit board, the rest portion of said metal plate is separated from said printed circuit board.
- 2. The antenna according to claim 1, wherein said coupling portion comprises a thin layer of soldering tin soldered onto said mounting portion.
- 3. The antenna according to claim 2, wherein said radiating element comprises a low-frequency radiating portion and a high-frequency radiating portion.
- 4. The antenna according to claim 3, wherein said high-frequency radiating portion comprises a first high-frequency radiating portion and a second high-frequency radiating portion.
- 5. The antenna according to claim 4, wherein said low frequency radiating portion, said first high-frequency radiating portion and said second high-frequency radiating portion are disposed in E-shape, with a crossing region formed in said E-shape.
- 6. The antenna according to claim 5, wherein said radiating portion comprises a

through hole through said radiating element.

- 7. The antenna according to claim 6, wherein said outer conductor is soldered onto said metal plate.
- 8. The antenna according to claim 1, wherein said radiating portion comprises a through hole defined through both said radiating element and said PCB.
- 9. The antenna according to claim 8, wherein said inner conductor is connected to an edge of said through hole.
- 10. The antenna according to claim 9, further comprising a conductive layer arranged on said PCB, said conductive layer connected with said mounting portion.
- 11. The antenna according to claim 10, wherein said outer conductor is connected to said conductive layer.

12. An antenna comprising:

- a radiating portion comprising a radiating element and a printed circuit board (PCB) comprising a mounting portion, said radiating element being on surface of the PCB;
- a metal plate comprising a coupling portion on a surface thereof;
- a connecting portion connecting said mounting portion and said coupling portion together;
- a feed cable comprising an inner conductor and an outer conductor respectively connected with said radiating element and said metal plate;
- wherein a portion of said metal plate is overlapped on said printed circuit board, the rest portion of said metal plate is separated from said printed circuit board.
- 13. An antenna comprising:
 - a printed circuit board;

- a radiating element formed on a portion of the printed circuit board;
- a grounding element formed on another portion of the printed circuit board, which is spaced from the radiating element; and
- a discrete metallic plate attached to the printed circuit board and defining a first region overlapped, in a vertical direction perpendicular to said printed circuit board, with and electrically connected to said grounding element, and a second region extending from an edge of the printed circuit board in a cantilever type, said edge being essentially located right beside the grounding element; wherein said second region is offset from the printed circuit board in said vertical direction, and is equipped with a setting hole via which the metallic plate is allowed to be mounted to a mobile electrical device.
- 14. The antenna according to claim 13, wherein said grounding element is a mounting portion.
- 15. The antenna according to claim 14, wherein said mounting portion is coplanar with said radiating element.